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**PATENT APPLICATION**  
**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of

Docket No: Q73676

Akihiko SHIRAKAWA, et al.

Appln. No.: 10/539,593

Group Art Unit: 2831

Confirmation No.: 4782

Examiner: Not Yet Assigned

Filed: June 17, 2005

For: BARIUM TITANATE AND ELECTRONIC PARTS USING THE MATERIAL

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 C.F.R. §§ 1.97 and 1.98**

**MAIL STOP AMENDMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached PTO/SB/08 A & B (modified) form and/or listed herein and which the Examiner may deem material to patentability of the claims of the above-identified application.

One copy of each of the listed documents is submitted herewith, except for the following: U.S. patents and/or U.S. patent publications; and co-pending non-provisional U.S. applications filed after June 30, 2003.

The present Information Disclosure Statement is being filed: (1) No later than three months from the application's filing date; (2) Before the mailing date of the first Office Action on the merits (whichever is later); or (3) Before the mailing date of the first Office Action after

filing a request for continued examination (RCE) under §1.114, and therefore, no Statement under 37 C.F.R. § 1.97(e) or fee under 37 C.F.R. § 1.17(p) is required.

In compliance with the concise explanation requirement under 37 C.F.R. § 1.98(a)(3) for foreign language documents, Applicants submit English language Abstracts for JP 2-145498, JP 4-325498, JP 11-43327, JP 11-273986, WO 99/58451, WO 00/35811 and JP 2003-26423. Additionally, Applicants submit the following explanations:

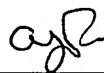
EP 1 104 002 A1 corresponds to JP 3-39014, EP 1 148 030 A1 corresponds to WO 00/35811, U.S. Patent No. 6,205,015 B1 corresponds to JP 11-273,986, EP 0 826 633 A1 corresponds to JP 11-43327 and EP 1 083 152 A1 corresponds to WO 99/58451.

EP 1 148 030 A1 and U.S. Patent No. 6,205,015 B1 were previously submitted in the Information Disclosure Statement filed June 17, 2005.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account.

Respectfully submitted,



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WASHINGTON OFFICE

23373

CUSTOMER NUMBER

Date: May 23, 2006

Substitute for Form 1449 A & B/PTO		<i>Complete if Known</i>	
		Application Number	10/539,593
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>		Confirmation Number	4782
		Filing Date	June 17, 2005
		First Named Inventor	Akihiko SHIRAKAWA
		Art Unit	2831
		Examiner Name	Not Yet Assigned
		Attorney Docket Number	Q73676
Sheet	1	1	

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code <sup>2</sup> (if known)		
		US			
		US			

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)			
		EP	0 104 002	A1	03-28-1984	SONY CORPORATION	
		JP	2-145498		06-04-1990	MURATA MFG CO LTD	Abstract
		JP	3-39014		06-12-1991	SONY CORPORATION	
		JP	4-325498		11-13-1992	FUJIKURA LTD	Abstract
		EP	0 826 633	A1	03-04-1998	SHOWA DENKO KABUSHIKI KAISHA	
		JP	11-43327		02-16-1999	SHOWA DENKO KK	Abstract
		JP	11-273986		10-08-1999	MURATA MFG CO LTD	Abstract
		WO	99/58451		11-18-1999	SHOWA DENKO KABUSHIKI KAISHA	Abstract
		WO	00/35811		06-22-2000	SHOWA DENKO KK	Abstract
		EP	1 083 152	A1	03-14-2001	SHOWA DENKO KABUSHIKI KAISHA	
		WO	02/064863	A1	08-22-2002	GROUPE MINUTIA INC.	
		JP	2003-26423		01-29-2003	RIKOGAKU SHINKOKAI	Abstract
		JP	7-291607		11-07-1995	MURATA MFG. CO. LTD.	Abstract

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation <sup>6</sup>
		S. WADA, et al.; "Preparation of nm-sized BaTiO <sub>3</sub> crystallites by a LTDS method using a highly concentrated aqueous solution"; Journal of Crystal Growth; 2001; Vol. 229; pp. 433-439	
		Detlev F.K. HENNINGS, et al.; "Defect Chemistry and Microstructure of Hydrothermal Barium Titanate"; Journal of American Ceramic Society; January 2001; Vol. 84; No. 1; pp. 179-182	
		Er-Wei SHI, et al.; "Crystallographic Properties of Hydrothermal Barium Titanate Crystallites"; Journal of American Ceramic Society; June 1997; Vol. 80; No. 6; pp. 1567-1572	
		Kyoichi SASAKI; "Barium Titanate and Production Method of Its Composite Particles and Process"; J. Soc. Powder Technology; 1997; Vol. 34; No. 11; pp. 862-874	
		Japan Ceramics Society 15 <sup>th</sup> Autumn Symposium Presentation Pre-publication; p. 149	

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov), MPEP 901.04 or follow the hyperlink from the title of the document to the intranet. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to indicate here if English language Translation is attached.